NEC Digital Signage Solutions

42”, 46”, 55” & 65” LED edge-lit, commercial-grade LCD displays bundled with AMD Dual Core OPS single board computers

Take the fast track to high-quality digital signage with full PC functionality integrated directly within an NEC display. NEC’s single board computer (OPS-PCAF-WS), boasts an AMD 1.6 GHz Dual Core Fusion APU and adheres to the Open Pluggable Specification (OPS), the industry’s first standardized input to increase flexibility for users of any digital signage application. Combining this PC with the high-performance panel of the NEC V Series (42”, 46”, 55” and 65” sizes available), these bundles are a wonderfully simple solution for dynamic digital signage. Utilizing the expansion slot integrated into V Series displays, the PC provides for clean, hidden integration while reducing the bill of materials needed for installation and eliminating the hassle of hiding hardware equipment. Whet appetites in restaurants. Build brand awareness in retail. Turn heads in corporate lobbies. The digital signage possibilities are virtually endless.

Highlights

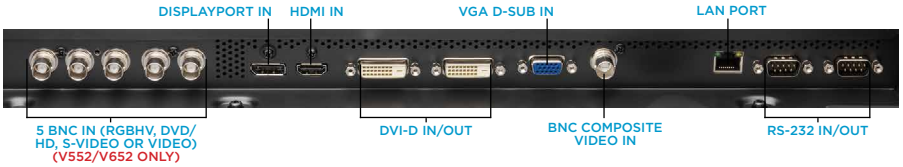
- **LED backlighting technology** reduces power consumption and allows for a slimmer cabinet depth
- **Integrated PC (OPS-PCAF-WS)** is optimized for reliable 1080p video playback
- **1920 x 1080 FHD native resolution** in true 16:9 aspect ratio, maximum brightness of up to 500 cd/m^2 and typical contrast ratio of up to 4000:1
- **TileMatrix™ technology** enables video walls (up to 100 displays in a 10x10 matrix)
- **Integrated 10W speakers** provide stereo audio for those applications requiring sound
- **Optional color calibration solution** ensures color uniformity and fidelity across individual and multiple screens, creating a perfectly matched image in tiled environments
- **Diverse input connectors** allow for maximum compatibility and flexibility during product implementation
- **OPS-PCAF-WS’ 3-year warranty** matches that of the display
- **NEC Content Management Software (CMS)**, a SaaS web-based, digital signage software, is available at no charge

Specifications for V423-PC/V463-PC/V552-PC/V652-PC

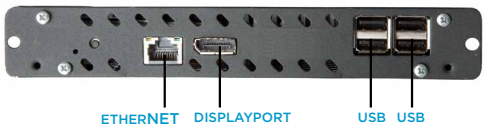
MODEL	V423-PC	V463-PC	V552-PC	V652-PC
LCD MODULE				
Panel Technology	SPVA	A-MVA	A-MVA	SPVA
Viewable Image Size	42"	46"	55"	65"
Native Resolution	1920 x 1080			
Brightness (Typical/Max)	320 cd/m² / 450 cd/m²	350 cd/m² / 500 cd/m²	320 cd/m² / 450 cd/m²	
Contrast Ratio (Typical)	1300:1	4000:1		
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10			
Aspect Ratio	16:9			
Active Screen Area (W x H)	36.6 x 20.6 in. / 930.2 x 523.3mm	40.1 x 22.5in. / 1018.1 x 572.7mm	47.6 x 26.8 in. / 1209.6 x 680.4mm	56.2 x 31.6 in. / 1428.5 x 803.5mm
Orientation	Landscape/Portrait			
Displayable Colors	More than 16.7 million			
CONNECTIVITY				
PC/Mac Signal Compatibility	Yes			
Input Terminals				
Digital	DisplayPort, HDMI, DVI-D			
Analog	VGA 15-pin D-sub (shared S-Video, Video, Component), BNC Composite		VGA 15-pin D-sub, 5 BNC (RGBHV, DVD/HD, S-Video or Video), BNC Composite	
Audio	Stereo Mini-Jack, HDMI Audio, DisplayPort Audio			
External Control	RS-232C, Ethernet (RJ45), IR Remote, DDC/CI			
Output Terminals				
Digital	DVI-D			
Audio	Stereo Mini-Jack, External Speaker Jack (2)			
External Control	RS-232C			
Digital Tuner	V423-AVT	V463-AVT	V552-AVT	V652-AVT
Speakers	Integrated (10W x 2)			
POWER CONSUMPTION				
On (Typical)	153W	76W	165W	250W
ECO Mode Standby	<0.5W	<2W		
PHYSICAL SPECIFICATIONS				
Bezel Width (L/R, T/B)	0.7 in./0.7 in., 0.7 in./0.7 in. ; 18.3mm/18.3mm, 18.3mm/18.3mm			2.1 in./2.1 in., 2 in./2.1 in. ; 53.5mm/53.5mm, 50.5mm/50.5mm
Net Dimensions (without stand; WxHxD)	38.3 x 22.3 x 2.7 in. / 972.5 x 565.4 x 68.3mm	41.7 x 24.1 x 2.6in. / 1058.2 x 612.8 x 65.1mm	49.2 x 28.4 x 2.5 in. / 1249.7 x 720.5 x 63mm	60.6 x 35.8 x 3.5 in. / 1540.4 x 909.2 x 88.3mm
Net Weight (without stand)	37 lbs. / 16.8 kg	41.7 lbs. / 18.9 kg	58 lbs. / 26.3 kg	114.4 lbs. / 52 kg
VESA Hole Configuration	300 x 300mm (4-hole)			400 x 400mm (4-hole)
ENVIRONMENTAL CONDITIONS				
Operating Temperature	41-104°F / 5-40°C			
Operating Humidity	20 - 80%			
Operating Altitude	9843 ft. / 3000m			
LIMITED WARRANTY	3 years parts and labor, including backlight*			
ADDITIONAL FEATURES	Advanced thermal capabilities; Advanced cooling system; TileMatrix (10x10); TileComp; Separate group/Monitor ID function; Ethernet Control and Communication; RS-232 Control and Communication; Carbon footprint meter; Plug and Play (DDC/CI, DDC2B); Scheduler (w/ real-time clock); Screen saver function; POP; Side-by-Side; Kensington lock; Handles; Touch- and protective screen-ready; Variable picture modes; Advanced video settings (Noise Reduction, Adaptive Contrast); Input labeling; Backlight adjust; Aspect ratio control; Built-in speakers; OPS-Compliant slot			
SHIPS WITH	Single Board Computer (OPS-PCAF-WS); Power cord; VGA cable (Mini 15-pin D-sub); Wireless remote control; Batteries; Main switch cover; CD-ROM (user manual); Clamp; Screws			
OPTIONAL ACCESSORIES				
Single Board Computers	External Single Board Computer (TNETPC-AF-WH); All NEC OPS computers			
Other	Speakers (SP-RM2 for V423/SP-RM1 for V463, V552 & V652); Stand (ST-322 for V423 & V463/ST-4620 for V552/ST-651 for V652); Internal HD-SDI Card (SB-01HC); Internal 3G-SDI Card (SB-04HC); Digital IP Tuner (SB-03TM); Wall Mount Kit (WMK-3257); Display Wall Calibrator Kit (KT-LFD-CC)			

* Warranty restrictions apply. Contact your representative for details.

V423/V463/V552/V652



OPS-PCAF-WS



Specifications for OPS-PCAF-WS

Operating System	Microsoft Windows 7 Embedded
CPU	1.6 GHz Dual Core Fusion (T56N)
GPU	Integrated HD 6310
RAM	2 GB DDR3
Hard Drive	32 GB SSD
Video Output	External DisplayPort
Audio Output	External DisplayPort
Network Connections	Gigabit Ethernet
Control I/O	USB 2.0 x 4
Video Format Support	1080p, MPEG/2, H.264, WM9

Graphics Format Support	JPEG, BMP, TIFF, GIFF
Browser Support	HTML, Flash, Javascript
Audio Format Support	MP3, PCM, AAC
Network Protocol Support	Internet (IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, FTP, IGMP, RTP, RTSP, SNMP)
Power	16VDC Input Voltage, Power Dissipation (35W)
Operating Temperature	32° - 104°F / 0° - 40°C
Operating Humidity	80% maximum relative humidity, non-condensing
Dimensions (W x H x D)	7.1 x 1.2 x 4.6 in. / 180 x 30 x 118mm
Weight	2.5 lbs. / 1.2 kg
Certifications	CE, FCC Section 15

All other brand or product names are trademarks or registered trademarks of their respective holders. Product specifications subject to change.

©2013 NEC Display Solutions of America, Inc.
All rights reserved. 25.NEC.80.GL.UN.135 rev. 030113

NEC Display Solutions
500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-MORE

necdisplay.com